

Kumho ABS HFA-705

Acrylonitrile Butadiene Styrene

Korea Kumho Petrochemical Co., Ltd.



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Technical Data

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
UL Yellow Card ²	• E65424-247709		
Search for UL Yellow Card	• Korea Kumho Petrochemical Co., Ltd.		
Availability	• Asia Pacific	• Europe	• North America
Features	• Flame Retardant • General Purpose • Good Adhesion	• Good Chemical Resistance • Good Dimensional Stability • Good Impact Resistance	• Good Weather Resistance • High Gloss
Uses	• Business Equipment	• Computer Components	
RoHS Compliance	• RoHS Compliant		
UL File Number	• E65424		
Forms	• Pellets		
Processing Method	• Blow Molding • Extrusion	• Injection Molding • Thermoforming	• Vacuum Forming

Physical	Nominal Value Unit	Test Method
Specific Gravity	1.18 g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)		ASTM D1238
200°C/21.6 kg	100 g/10 min	
200°C/5.0 kg	5.0 g/10 min	
220°C/10.0 kg	50 g/10 min	
Molding Shrinkage - Flow	0.40 to 0.70 %	ASTM D955
Water Absorption (24 hr)	0.30 %	ASTM D570

Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield, 23°C)	45.1 MPa	ASTM D638
Tensile Elongation (Yield, 23°C)	30 %	ASTM D638
Flexural Modulus (23°C)	2160 MPa	ASTM D790
Flexural Strength (Yield, 23°C)	63.8 MPa	ASTM D790

Impact	Nominal Value Unit	Test Method
Notched Izod Impact		ASTM D256
23°C, 3.20 mm	170 J/m	
23°C, 6.40 mm	150 J/m	

Hardness	Nominal Value Unit	Test Method
Rockwell Hardness (R-Scale)	102	ASTM D785

Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ASTM D648
1.8 MPa, Unannealed	82.2 °C	
Vicat Softening Temperature	96.1 °C	ASTM D1525

Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
2.10 mm	V-0	
3.00 mm	V-0	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL IDES continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.

³ Typical properties: these are not to be construed as specifications.

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Korea Kumho Petrochemical Co., Ltd.

Where to Buy

Supplier

Korea Kumho Petrochemical Co., Ltd.

Seoul, Korea

Telephone: 82-2-767-6114

Web: <http://www.kkpc.co.kr/>

Distributor

GAZECHIM PLASTIQUES

GAZECHIM PLASTIQUES is a Pan European distribution company. Contact GAZECHIM PLASTIQUES for availability of individual products by country.

Telephone: +33-4-67-49-55-37

Web: <http://www.gazechim.com/>

Availability: Belgium, France, Italy, Netherlands, Poland, Romania, United Kingdom

Nexeo Solutions - Europe

Nexeo Solutions is a Pan European distribution company. Contact Nexeo for availability of individual products by country.

Telephone: +34-93-480-9125

Web: <http://www.nexeosolutions.com/>

Availability: Austria, Belgium, Denmark, Finland, France, Germany, Italy, Netherlands, Norway, Sweden, Switzerland



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– Kevin Chase, Owner & President, Chase Plastics



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