

Technical Data Sheet

Diamond ABS801LA12538



Acrylonitrile Butadiene Styrene

Product Description

Diamond ABS801LA12538 is a Acrylonitrile Butadiene Styrene material. Features include: Medium Impact Resistance.

Regulatory Status

For regulatory compliance information, see ABS801LA12538 [Product Stewardship Bulletin \(PSB\) and Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Attribute	Medium Impact Resistance
Forms	Pellets

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (200 °C/5.0 kg)	2.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.04	g/cm ³	ASTM D792
Mechanical			
Tensile Elongation at Yield	3	%	ASTM D638
Tensile Strength at Yield	37	MPa	ASTM D638
Tensile Strength at Break	35	MPa	ASTM D638
Flexural Modulus	2600	MPa	ASTM D790
Tensile Elongation at Break	14	%	ASTM D638
Tensile Modulus	1900	MPa	ASTM D638
Flexural Strength	63	MPa	ASTM D790
Impact			
Notched Izod Impact	260	J/m	ASTM D256
Hardness			
Rockwell Hardness, (R-Scale)	102		ASTM D785
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	73	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	84	°C	ASTM D648

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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