

ADPOLY BM-310

High Density Polyethylene
Lotte Chemical Corporation

Technical Data

Product Description

BM-310 is HDPE based adhesive resin containing anhydride.
This grade shows strong adhesion to PE, PA, EVOH, and it has polyolefin-like properties.
In addition, its processability is excellent.
BM-310 is mainly intended for use as a adhesive resin in multi-layer bottle.

General

Material Status	• Commercial: Active		
Literature ¹	• Technical Datasheet (English)		
Search for UL Yellow Card	• Lotte Chemical Corporation		
Availability	• Asia Pacific • Asia Pacific	• Europe • Europe	• North America • North America
Features	• Good Adhesion	• Good Processability	
Uses	• Adhesives • Bottles	• Industrial Applications • Packaging	

Physical	Nominal Value Unit	Test Method
Specific Gravity	0.940 g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.25 to 0.50 g/10 min	ASTM D1238
Mechanical	Nominal Value Unit	Test Method
Tensile Strength (Yield)	16.5 MPa	ASTM D638
Tensile Elongation (Break)	> 500 %	ASTM D638
Flexural Modulus	559 MPa	ASTM D790
Flexural Strength	16.2 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact (23°C)	720 J/m	ASTM D256
Hardness	Nominal Value Unit	Test Method
Durometer Hardness (Shore D)	52	ASTM D2240
Thermal	Nominal Value Unit	Test Method
Vicat Softening Temperature	100 °C	ASTM D1525
Additional Information	Nominal Value Unit	Test Method
Adhesion Strength	> 2.00 kgf/2 cm	ASTM D903

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