

LyondellBasell Hifax[®],^ç CA138A Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , Polyolefin

Material Notes:

Description: Hifax[®],^ç CA138A low modulus thermoplastic olefin (TPO) resin is designed for impact modification and injection molding applications. It is based on material produced from Basell's proprietary "Catalloy" process, exhibiting balanced strength, toughness, and flexibility. CA138A resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.2600 for resins in rubber articles for repeated use applications. The final item is subject to the extraction requirements in 21 CFR 177.2600. All ingredients in CA138A resin meet the chemical registration requirements of TSCA (U.S.) and DSL (Canada). Uses: Closures, automotive applications, lids
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-CA138A-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.892 g/cc	0.0322 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 230 °C	2.5 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	53	53	ASTM D2240
Tensile Strength, Yield	9.65 MPa	1400 psi	ASTM D 638
Elongation at Break	390 %	390 %	ASTM D 638
Flexural Modulus	0.345 GPa	50.0 ksi	1% Secant, 0.05 in/min; ASTM D790
	0.379 GPa	55.0 ksi	Tangent, 0.05 in/min; ASTM D790
	0.448 GPa	65.0 ksi	Tangent, 0.5 in/min; ASTM D790
Dart Drop, Total Energy	20.9 J @Temperature -30.0 °C	15.4 ft-lb @Temperature -22.0 °F	Instrumented; ASTM D3763
Tear Strength	78.9 kN/m	450 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Shrinkage	1.0 %	1.0 %	Tool, 4x6x0.125 in; Basell Test Method
	1.30 %	1.30 %	

Thermal Properties	Metric	English	Comments
	@ Temperature 121 Â°C, Time 3600 sec	@ Temperature 250 Â°F, Time 1.00 hour	Afterbake: 100x150x3.2 mm; Basell Makrolon

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China