

LG Chemical KEYFLEX BT 1245D Ester Type TPE

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester, TP , Polyester Thermoplastic Elastomer

Material Notes:

Description: Injection Molding, TPC-ET, Specialty, Medium Modulus, Black colorApplication: Automotive Body Plug, FastenerCAS: 37282-12-5 and 1333-86-4Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-KEYFLEX-BT-1245D-Ester-Type-TPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	ASTM D792
Water Absorption	0.60 % @Temperature 23.0 Â°C, Time 86400 sec	0.60 % @Temperature 73.4 Â°F, Time 24.0 hour	ASTM D570
Maximum Moisture Content	0.010	0.010	Injection Molding
Linear Mold Shrinkage, Flow	0.014 - 0.018 cm/cm @Thickness 3.20 mm	0.014 - 0.018 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 220 Â°C	25 g/10 min @Load 4.76 lb, Temperature 428 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	44	44	ASTM D2240
Tensile Strength at Break	29.1 MPa @Thickness 2.00 mm	4220 psi @Thickness 0.0787 in	50mm/min; ASTM D638
Elongation at Break	600 % @Thickness 2.00 mm	600 % @Thickness 0.0787 in	50mm/min; ASTM D638
Flexural Modulus	0.0981 GPa @Thickness 6.40 mm	14.2 ksi @Thickness 0.252 in	15mm/min; ASTM D790
Izod Impact, Notched	NB @Thickness 6.40 mm, Temperature 23.0 Â°C	NB @Thickness 0.252 in, Temperature 73.4 Â°F	ASTM D256
	NB @Thickness 6.40 mm, Temperature -40.0 Â°C	NB @Thickness 0.252 in, Temperature -40.0 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	205 Â°C	401 Â°F	Peak
Deflection Temperature at 0.46 MPa (66 psi)	60.0 Â°C @Thickness 6.40 mm	140 Â°F @Thickness 0.252 in	Unannealed; ASTM D648

Electrical Properties	Metric	English	Comments
Comparative Tracking Index	600 V	600 V	Solution A; IEC 60112

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	205 - 225 Â°C	401 - 437 Â°F	Injection Molding
Middle Barrel Temperature	210 - 230 Â°C	410 - 446 Â°F	Injection Molding
Front Barrel Temperature	215 - 235 Â°C	419 - 455 Â°F	Injection Molding
Nozzle Temperature	215 - 235 Â°C	419 - 455 Â°F	Injection Molding
Melt Temperature	205 - 235 Â°C	401 - 455 Â°F	Injection Molding
Mold Temperature	10.0 - 35.0 Â°C	50.0 - 95.0 Â°F	Injection Molding
Drying Temperature	80.0 - 90.0 Â°C	176 - 194 Â°F	Injection Molding
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	Injection Molding

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