

LG Chemical KEYFLEX T01065A Olefin Type TPE

Category : Polymer , Thermoplastic , Elastomer, TPE , Olefinic TPE , Thermoplastic Vulcanizate Elastomer (TPV)

Material Notes:

Description: Injection Molding, TPV, General Purpose, Soft Touch Application: Automotive Interior CAS: 9003-07-0, 9010-79-1, 64742-54-7 and 14807-96-6 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-KEYFLEX-T01065A-Olefin-Type-TPE.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.970 g/cc	0.970 g/cc	ASTM D792
Melt Flow	30 g/10 min @Load 10.0 kg, Temperature 230 Å°C	30 g/10 min @Load 22.0 lb, Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62 - 68	62 - 68	ASTM D2240
Tensile Strength at Break	4.41 MPa @Thickness 2.00 mm	640 psi @Thickness 0.0787 in	50mm/min; ASTM D638
Elongation at Break	300 % @Thickness 2.00 mm	300 % @Thickness 0.0787 in	50mm/min; ASTM D638
Izod Impact, Notched	NB @Thickness 6.40 mm, Temperature 23.0 Å°C	NB @Thickness 0.252 in, Temperature 73.4 Å°F	ASTM D256
	NB @Thickness 6.40 mm, Temperature -40.0 Å°C	NB @Thickness 0.252 in, Temperature -40.0 Å°F	ASTM D256
Tear Strength	29.4 kN/m	168 pli	50mm/min, @ Break; ASTM D624

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	180 - 200 Å°C	356 - 392 Å°F	Injection Molding
Middle Barrel Temperature	180 - 220 Å°C	356 - 428 Å°F	Injection Molding
Front Barrel Temperature	200 - 230 Å°C	392 - 446 Å°F	Injection Molding
Nozzle Temperature	200 - 240 Å°C	392 - 464 Å°F	Injection Molding
Melt Temperature	200 - 240 Å°C	392 - 464 Å°F	Injection Molding

Processing Properties	Metric	English	Comments
Drying Temperature	60.0 - 90.0 Â°C	140 - 194 Â°F	Injection Molding
Dry Time	3.00 - 4.00 hour	3.00 - 4.00 hour	Injection Molding
Back Pressure	29.4 - 58.8 MPa	4260 - 8530 psi	Injection Molding
Screw Speed	30 - 60 rpm	30 - 60 rpm	Injection Molding

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