

## LG Chemical KEYFLEX TO1075AR 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-TO1075AR-Olefin-Type-TPE.php](http://www.lookpolymers.com/polymer_LG-Chemical-KEYFLEX-TO1075AR-Olefin-Type-TPE.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.960 g/cc	0.960 g/cc	ASTM D792
Melt Flow	40 g/10 min @Load 10.0 kg, Temperature 230 °C	40 g/10 min @Load 22.0 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	72 - 78	72 - 78	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 °C	NB @Thickness 0.252 in, Temperature 73.4 °F	ASTM D256
	NB @Thickness 6.40 mm, Temperature -40.0 °C	NB @Thickness 0.252 in, Temperature -40.0 °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 °C	356 - 392 °F	Injection Molding
Middle Barrel Temperature	180 - 220 °C	356 - 428 °F	Injection Molding
Front Barrel Temperature	200 - 230 °C	392 - 446 °F	Injection Molding
Nozzle Temperature	200 - 240 °C	392 - 464 °F	Injection Molding
Melt Temperature	200 - 240 °C	392 - 464 °F	Injection Molding

Processing Properties	Metric	English	Comments
Drying Temperature	60.0 - 90.0 °C	140 - 194 °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

## Contact Songhan Plastic Technology Co.,Ltd.

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