

Multi-Flex® TPE A3005

Thermoplastic Elastomer
Multibase, A Dow Corning Company

Message:

Multi-Flex® TPE A3005 is a Thermoplastic Elastomer (TPE) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America.

General Information			
Features	Foamable		
	Soft		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	30		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	6.55	MPa	ASTM D412
Tensile Elongation (Break)	790	%	ASTM D412
Tear Strength	30.1	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	182	°C	
Middle Temperature	188	°C	
Front Temperature	193	°C	
Nozzle Temperature	199	°C	
Processing (Melt) Temp	199	°C	
Mold Temperature	26.7 to 37.8	°C	
Injection Rate	Moderate-Fast		
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	177	°C	
Cylinder Zone 3 Temp.	185	°C	
Cylinder Zone 5 Temp.	196	°C	
Melt Temperature	196	°C	
Die Temperature	199	°C	

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