

# INCOLOR TPE45AOM

Thermoplastic Polyurethane Elastomer

Infinity LTL Engineered Compounds

Message:

TPE 45A SHORE HARDNESS FOR CHEMICAL BOND OVERMOLD OF ABS, PC, PC/ABS, PROPIONATE, ACRYLIC AND NYLONS

General Information			
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	4.14	MPa	ASTM D638
Tensile Elongation (Yield)	750	%	ASTM D638
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	24.5	kN/m	ASTM D624
Injection	Nominal Value	Unit	
Drying Temperature	68.3 - 71.1	°C	
Drying Time	4.0	hr	
Rear Temperature	185 - 191	°C	
Middle Temperature	193 - 199	°C	
Front Temperature	196 - 202	°C	
Back Pressure	0.345 - 0.689	MPa	
Screw L/D Ratio	20.0:1.0		
Injection instructions			

Screw Speed: Medium to Fast

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## Recommended distributors for this material

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