

TAFMER™ PN-0040

Polyalphaolefin
Mitsui Chemicals, Inc.

Message:

TAFMER PN-0040, propylene based polymer, is a specialty olefinic resin designed to improve transparency, flexibility, softness and impact resistance of Polypropylene (PP).

General Information			
Features	Low Specific Gravity		
	High elasticity		
	Stress whitening		
	Impact resistance, good		
	Good flexibility		
	Definition, high		
	Soft		
Uses	Plastic modification		
Agency Ratings	EU Unspecified Rating		
	FDA not rated		
Appearance	Clear/transparent		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	1.9	g/10 min	ASTM D1238
230°C/2.16 kg	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	86		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	37.0	MPa	ASTM D638
Tensile Strength (Break)	22.0	MPa	ASTM D638
Tensile Elongation (Break)	950	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -28.0	°C	ASTM D746
Melting Temperature	160	°C	ASTM D2117
Optical	Nominal Value	Unit	Test Method
Transmittance ¹ (2000 μm)	98.0	%	Internal method
NOTE			
1.	In Cyclohexanol		

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