

# TAFMER™ H-5030S

Polyalphaolefin  
Mitsui Chemicals, Inc.

Message:

TAFMER™ H-5030S, ethylene based polymer, is a specialty olefinic resin designed to improve impact resistance, flexibility and softness of Polyethylene (PE) and Polypropylene (PP).

General Information			
Features	Low Specific Gravity		
	High elasticity		
	Impact resistance, good		
	Foamable property		
	Crosslinkable		
	Good flexibility		
	Low temperature impact resistance		
	Soft		
Uses	Plastic modification		
Agency Ratings	EU Unspecified Rating		
	FDA not rated		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.870	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR)			ASTM D1238
190°C/2.16 kg	5.0	g/10 min	ASTM D1238
230°C/2.16 kg	11	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	> 10.0	MPa	ASTM D638
Tensile Elongation (Break)	> 1000	%	ASTM D638
Torsional Rigidity (23°C)	4.00	MPa	ASTM D1043
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -70.0	°C	ASTM D746
Melting Temperature	60.0	°C	Internal method

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