

KEP® KEPA 1130

Ethylene Propylene Diene Terpolymer

Kumho Polychem Co., Ltd.

Message:

KEPA 1130 is a special polymer rubber of the ethylene-propylene EP(D)M, consisted mainly with single molecular chain structure, grafted with maleic anhydride. It is superior in the resistances against heat, ozone, and weather, also shows excellent characteristic of the impact strength in low temperature as it is constituted with amorphous rubber.

Features:

Ethylene-propylene copolymers/polypropylene blend grafted with maleic anhydride. As polymer modifiers, KEPA 1130 can function as coupling agent, compatibilizers and impact modifier in the polar polymer.

Impact modification: polyamides, polyesters etc.

Compatibilizer: polyamide/polyethylene, polyamide/polypropylene etc.

Coupling agent: polyethylene/CaCO₃, polypropylene/glass etc.

Applications:

Ski surf bindings, automotive wheelcap, oil separator, helmet etc.

General Information			
Features	Good Impact Resistance		
	Good Weather Resistance		
	High Heat Resistance		
	Low Temperature Impact Resistance		
	Ozone Resistant		
Uses	Automotive Applications		
	Protective Coverings		
	Sporting Goods		
	Water Sports Equipment		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.880	g/cm ³	ASTM D3575
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-46.0	°C	DSC
Optical	Nominal Value	Unit	Test Method
Yellowness Index ¹	14	YI	Internal Method
Additional Information	Nominal Value	Unit	Test Method
Volatiles	0.10	%	ASTM D1416
NOTE			

1. Test Method: AM S 77-017

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