

Impact HCPP BA3805

YUPLENE BA3805 is a high crystalline propylene impact copolymer designed for injection molding applications. YUPLENE BA3805 has excellent properties in stiffness, flow, mechanical properties, heat resistance and impact strength, which make YUPLENE BA3805 suitable for auto parts, electric appliances, large size containers, thin wall and very high speed injection applications. This is not a chemical cracked grade so it is free from surface gas mark. YUPLENE BA3805 can reduce various injection problems such as surface trouble, shrink, warpage etc. and reduce the cycle time of injection molding due to rapid crystallization. Especially, YUPLENE BA3805 has low shrinkage value and excellent dimensional stability.

Application

Injection Molding / industrial parts for electronic, automobile applications, large container

Physical Properties

	Value	Unit	Test Method
Melt Index	30.0	g/10min	ASTM D1238
Softening Point(Vicat)	155	°C	ASTM D1525
Tensile Strength at Yield	310	kg/cm ²	ASTM D638
Elongation at Break	<200	%	ASTM D638
IZOD Impact Strength(Notched, 23°C)	8.5	kg·cm/cm	ASTM D256
IZOD Impact Strength(Notched, -20°C)	6.0	kg·cm/cm	ASTM D256
Spiral Flow	>800	mm	SK Method
Flexural Modulus	18500	kg/cm ²	ASTM D790
Hardness(Rockwell)	105	R Scale	ASTM D785
Heat Distortion Temperature	135	°C	ASTM D648
Oven Aging Time	360	hr	ASTM D3012

Head Office

99 Seorin-dong, Jongno-gu, Seoul 110-110, Korea

Tel. 82-2-2121-5057 Fax. 82-2-2121-7001

SK Institute of
Technology

140-1 Woncheon-dong, Yuseong-gu, Taejeon, Korea

Tel. 82-42-866-7624 Fax. 82-42-866-7603

Online

SK energy co., ltd. : www.SKenergy.com

Chemical Business : www.skchem.com

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