

# Impact HCPP BA3905

XPLENE BA3905 is a high crystalline propylene impact copolymer designed for injection molding applications. XPLENE BA3905 has excellent properties in stiffness, flow, mechanical properties, heat resistance and impact strength, which make XPLENE BA3905 suitable for auto parts, electric appliances, large size containers, thin wall and very high speed injection applications. This is reactor grade product so it is free from surface gas mark. XPLENE BA3905 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, XPLENE BA3905 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	61.0	g/10min	ASTM D1238
Softening Point(Vicat)	155	°C	ASTM D1525
Tensile Strength at Yield	310	kg/cm <sup>2</sup>	ASTM D638
Elongation at Break	<100	%	ASTM D638
IZOD Impact Strength(Notched, -20°C)	5.0	kg·cm/cm	ASTM D256
IZOD Impact Strength(Notched, 23°C)	8.5	kg·cm/cm	ASTM D256
Spiral Flow	>800	mm	SK Method
Flexural Modulus	18500	kg/cm <sup>2</sup>	ASTM D790
Hardness(Rockwell)	105	R Scale	ASTM D785
Heat Distortion Temperature	135	°C	ASTM D648
Oven Aging Time	360	hr	ASTM D3012

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