

OREVAC® IM800

Impact modifier for supertough polyamide compounds

SK Functional Polymer introduces its most recent impact modifier Orevac® IM800.

Orevac® IM800 is a highly reactive impact modifier designed for high impact resistance polyamides. It has been tested successfully in several polyamides such as PA6, PA6.6, and long chain polyamides. It brings exceptional impact performance to your polyamide compounds for temperatures as low as -40°C. Thanks to its adjusted high reactivity and finely tuned viscosity, Orevac® IM800 also allows maintaining a controlled viscosity of the polyamide compound.

The introduction of Orevac® IM800 completes SK Functional Polymer range of impact modifiers for polyamides including Lotader® 4700 and Orevac® IM300. While Lotader® resins have outstanding processability for most PA matrices, Orevac® IM800 is especially suitable when high performance is required at low temperature (-40°C).



Typical characteristics of Orevac® IM800

Characteristics	Value	Unit	Standard
Density	0.87	g/m ³	ISO 1183 / ASTM D1505
Melting point	55	°C	ISO 11357-3
Melt Index (190°C/2.16kg)	0.5	g/10min	ISO 1133 / ASTM D1238
Vicat softening temperature (10N)*	<40	°C	ISO 306 / ASTM D1525

*On compression moulded sample

Applicative properties of Orevac® IM800

Characteristics	Temperature	PA6 + 25%IM800	PA6.6 + 25% IM800
Charpy impact resistance (Notched - kJ/m ²)	-40°C	17	26
	23°C	86	103
Ductile/Brittle transition (°C)		-35	-32