



ENGAGE™ 11567

Polyolefin Elastomer

Descrição geral

ENGAGE™ 11567 é um elastômero de poliolefina que oferece excelente eficiência de incorporação de elastômero, sendo um modificador de impacto superior para compostos termoplásticos de poliolefina (TPO). Sua alta capacidade de tenacificação em comparação com outros elastômeros de poliolefina disponíveis comercialmente permite maior facilidade em otimizar os níveis de elastômero para atender aos requisitos de impacto das especificações automotivas globais. As formulações de TPO contendo ENGAGE™ 11567 combinam excelentes processamento e equilíbrio entre rigidez e modificação de impacto para peças automotivas como pára-choques. O design do elastômero de poliolefina ENGAGE™ 11567 permite ciclos mais rápidos de moldagem por injeção para compostos de TPOs. Suas características de design contribuem para o controle da morfologia e maior resistência à temperatura das peças finais.

Principais Características:

- Alta eficiência de incorporação de elastômero para ótimo equilíbrio entre custo e desempenho
- Tenacidade aprimorada para melhor equilíbrio entre rigidez e resistência ao impacto
- Boa fluidez
- Alta temperatura de cristalização para ciclos mais curtos
- Alto ponto de fusão para maior resistência à temperatura
- Forma física em pellet com agente de partição para facilitar o manuseio

Aplicações:

- Modificação de impacto de TPO
- Compostos poliolefínicos moldados por injeção

Físicas	Valor Típico (Inglês)	Valor Típico (SI)	Método
Densidade	0,866 g/cm³	0,866 g/cm³	ASTM D792
Índice de Fluidez (190°C/2.16 kg)	1,0 g/10 min	1,0 g/10 min	ASTM D1238
Mecânicas	Valor Típico (Inglês)	Valor Típico (SI)	Método
Módulo de Tensão - 100% Secante (Moldagem por Compressão)	232 psi	1,60 MPa	ASTM D638
Resistência à Tração (Na ruptura, Moldagem por Compressão)	739 psi	5,10 MPa	ASTM D638
Alongamento (Na Ruptura, Moldagem por Compressão)	600 %	600 %	ASTM D638
Dureza	Valor Típico (Inglês)	Valor Típico (SI)	Método
Shore A, 1s (Moldagem por Compressão)	60	60	ASTM D2240
Térmicas	Valor Típico (Inglês)	Valor Típico (SI)	Método
Temperatura de Transição Vítea	-79,6 °F	-62,0 °C	Método Dow
Temperatura de Fusão (DSC)	250 °F	121 °C	Método Dow

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