

SELECTION CRITERIA FOR THERMOPLASTIC MOLDED PARTS

Polymer/Application	Recommended product	Alternative product recommendation	Remarks	flowability	ultimate elongation	impact strength	scratch resistance	tensile strength	flexural strength	no crosslinking
PA (polyamide) 6/66	AKTIFIT AM			•	•	•	•			
PPA (polyphthalamide)	AKTIFIT AM	AKTIFIT PF 115		•	•	•	•			
PBT (polybutylene terephthalate)	AKTIFIT VM	AKTIFIT Q			•	•	•			
PC (polycarbonate)	AKTIFIT VM	AKTIFIT PF 111 AKTIFIT Q	AKTIFIT VM and AKTIFIT PF 111 also for higher filler levels without any significant polymer degradation		•	•	•			
PP (polypopylene)	AKTIFIT AM AKTIFIT AM + MAH-modified polymer	SILFIT Z 91 + MAH-modified polymer AKTIFIT PF 111	AKTIFIT PF 111 primarily for homopolymers for high ultimate elongation and impact strength with good flowability		•	•	•			
PK (aliphatic polyketone)	AKTIFIT AM	AKTIFIT PF 115		•	•	•	•	•	•	
PPS (polyphenylene sulfide)	AKTIFIT AM	AKTIFIT PF 115		•	•	•	•	•	•	
other polymers	AKTIFIT AM AKTIFIT VM AKTIFIT PF 111 AKTIFIT PF 115 AKTIFIT Q		depending on the polymer for optimal interaction and other requirements	•	•	•	•	•	•	