

Selection criteria for thermoplastic molded parts

Polymer/Application	Recommended product	Alternative product recommendation	Remarks	Flowability	Ultimate elongation	Impact strength	Scratch resistance	Ttensile 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 ultimeter elongation and impact strength with good flowability		•	•	•			
PK (alyphatic polyketone)	 Aktifit AM	Aktifit PF 115		•	•	•	•		•	•
PPS (polyphenylene sulfide)	 Aktifit 115	Aktifit AM		•		•		•	•	
other polymers	 Aktifit AM  Aktifit VM  Aktifit PF 111  Aktifit PF 115  Aktifit Q		depending on the polymer for optimal interaction and other requirements	•	•	•	•	•	•	